



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 1

1 CONGRESS STREET, SUITE 1100  
BOSTON, MASSACHUSETTS 02114-2023

**CERTIFIED MAIL – RETURN RECEIPT REQUESTED**

March 3, 2006

Jennifer Scheer  
Project Manager  
ECS  
588 Silver Street  
Agawam, MA 01001

Re: Authorization to Discharge Under the Remediation General Permit (RGP) for the **Bernardston Sunoco** site in Bernardston, Massachusetts: Authorization # MAG910073

Dear Ms. Scheer,

The US Environmental Protection Agency (EPA) is notifying you that on September 9, 2005, EPA published a notice in the Federal Register (see enclosed) announcing the availability of the Remediation General Permit (RGP). You are receiving this letter because you own or operate a site or facility in Massachusetts (MA) and you previously submitted a National Pollution Discharge Elimination System (NPDES) permit application (Forms 1 & 2C). Our records also indicate that your site or facility has been covered previously under an EPA temporary permit exclusion letter.

Effective 30 days after receipt of this letter and authorization, this letter and authorization terminate any and all exclusion letters that EPA issued for your site or facility prior to this date and close out any and all NPDES applications submitted to EPA prior to this date for an individual permit for this discharge.

Based on the information contained in our files, EPA is authorizing you to discharge under the provisions of the Remediation General Permit (RGP) at this site, effective 30 days after receipt of this letter. Your authorization number is listed above. The RGP, Fact Sheet, response to public comments, suggested forms, and additional information can be found at: <http://www.epa.gov/region1/npdes/mass.html#dgp> or at: EPA-NE, One Congress Street, Suite 1100 (CIP), Boston, MA 02114.

The enclosed checklist designates the monitoring parameters applicable to your discharge. However, note that the checklist does not represent the complete requirements of the RGP. Operators must comply with all of the applicable requirements of the general permit, including influent and effluent monitoring, narrative water quality standards, sampling, record keeping, and reporting requirements, found in Part I, Part II, and Appendices I – VIII, of the RGP.

Toll Free • 1-888-372-7341

Internet Address (URL) • <http://www.epa.gov/region1>

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The dilution factor available to this discharge at its maximum design capacity of 10 gallons per minute (gpm) has been estimated to be 28 to 1. The 7Q10 flow of 0.6 cubic feet per second (cfs) was used for the Fall River in the vicinity of this discharge to calculate this dilution factor. This 7Q10 value is from a published USGS document entitled, "Gazetteer of Hydrologic Characteristics of Streams in Massachusetts - Connecticut River Basin". Therefore, the effluent metal limits that would apply to this discharge as shown in Appendix IV of the RGP are 13 ug/l for total lead and 5000 ug/l for total iron.

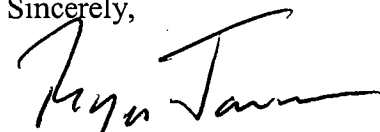
If you believe that the discharge at your site or facility should not be covered by the RGP or this authorization you must submit to EPA (at the address above), within 15 days, one of the following:

- (1) a Notice of Termination or other correspondence indicating that you are no longer discharging;
- (2) a Notice of Intent or other correspondence indicating current conditions and discharge characteristics.

***Notice of this authorization, effective in 30 days, will be posted on EPA's website at: <http://www.epa.gov/region1/npdes/rgp.html>. This general permit authorization will expire on September 9, 2010.***

Thank you in advance for your cooperation in this matter. Please contact George Papadopoulos at (617) 918-1579, or [Papadopoulos.George@epa.gov](mailto:Papadopoulos.George@epa.gov), if you have any questions.

Sincerely,



Roger Janson, Chief  
Municipal Permits Branch

Enclosures

cc: Paul Hogan, MADEP

**Summary of applicable monitoring parameters<sup>1</sup> under the Remediation General Permit (RGP)**

Facility/Site Name: **Bernardston Sunoco**

Facility/Site Address: **50 Church Street  
Bernardston, MA**

Permit # **MAG910073**

**3/3/06**

Monitor checked parameters	Parameter to be monitored (see Parts I.C. and I.D. and Appendix III of the RGP for specific limits and requirements)	Monitor checked parameters	Parameter to be monitored (see Parts I.C. and I.D. and Appendix III of the RGP for specific limits and requirements)
✓	1. Total Suspended Solids (TSS)		27. Trichloroethylene (TCE)
	2. Total Residual Chlorine (TRC)		28. Vinyl Chloride (Chloroethene)
✓	3. Total Petroleum Hydrocarbons (TPH)		29. Acetone
	4. Cyanide (CN) <sup>2</sup>		30. 1,4 Dioxane
✓	5. Benzene (B)		31. Total Phenols
✓	6. Toluene (T)		32. Pentachlorophenol (PCP)
✓	7. Ethylbenzene (E)		33. Total Phthalates
✓	8. (m,p,o) Xylenes (X)		34. Bis (2-Ethylhexyl) Phthalate
✓	9. Total BTEX <sup>3</sup>		35. Total Group I Polycyclic Aromatic Hydrocarbons
	10. Ethylene Dibromide (EDB)		a. Benzo(a) Anthracene
✓	11. Methyl-tert-Butyl Ether (MtBE)		b. Benzo(a) Pyrene
✓	12. tert-Butyl Alcohol (TBA)		c. Benzo(b)Fluoranthene
✓	13. tert-Amyl Methyl Ether (TAME)		d. Benzo(k)Fluoranthene
✓	14. Naphthalene		e. Chrysene
	15. Carbon Tetrachloride		f. Dibenzo(a,h)anthracene
	16. 1,4 Dichlorobenzene (p-DCB)		g. Indeno(1,2,3-cd) Pyrene
	17. 1,2 Dichlorobenzene (o-DCB)		36. Total Group II Polycyclic Aromatic Hydrocarbons
	18. 1,3 Dichlorobenzene (m-DCB)		h. Acenaphthene
	18.a. Total dichlorobenzene		i. Acenaphthylene
	19. 1,1 Dichloroethane (DCA)		j. Anthracene
	20. 1,2 Dichloroethane (DCA)		k. Benzo(ghi) Perylene
	21. 1,1 Dichloroethylene (DCE)		l. Fluoranthene
	22. cis-1,2 Dichloro-ethylene (DCE)		m. Fluorene
	23. Dichloromethane (Methylene Chloride)		n. Naphthalene
	24. Tetrachloroethylene (PCE)		o. Phenanthrene
	25. 1,1,1 Trichloro-ethane (TCA)		p. Pyrene
	26. 1,1,2 Trichloro-ethane (TCA)		37. Total Polychlorinated Biphenyls (PCBs) <sup>4</sup>

Monitor checked parameters	Parameter to be monitored (see Parts I.C. and I.D. and Appendix III of the RGP for specific limits and requirements)	Monitor checked parameters	Parameter to be monitored (see Parts I.C. and I.D. and Appendix III of the RGP for specific limits and requirements)
	38. Antimony	✓	52. Total Flow
	39. Arsenic	✓	53. pH Range for Class A & Class B Waters in MA
	40. Cadmium		54. pH Range for Class SA & Class SB Waters in MA
	41. Chromium III (trivalent)		55. pH Range for Class B Waters in NH
	42. Chromium VI (hexavalent)		56. Daily maximum temperature - Warm water fisheries
	43. Copper		57. Daily maximum temperature - Cold water fisheries
✓	44. Lead		58. Maximum Change in Temperature in MA - Any Class A water body
	45. Mercury		59. Maximum Change in Temperature in MA - Warm Water
	46. Nickel		60. Maximum Change in Temperature in MA - Cold Water and Lakes/Ponds
	47. Selenium		61. Maximum Change in Temperature in MA -Coastal
	48. Silver		62. Maximum Change in Temperature in MA - July to September
	49. Zinc		63. Maximum Change in Temperature in MA - October to June
✓	50. Iron		<i>Other parameters (as indicated on NOI):</i>
✓	51. Instantaneous Flow		

**Footnotes:**

1. This checklist does not represent the complete requirements of the RGP. Operators must comply with all of the applicable requirements of the remediation general permit (RGP), including influent monitoring, narrative water quality standards, etc. Operators must follow the RGP, including Parts I, II, and Appendices I - VIII in order to comply with the specific applicable requirements.

2. Limits for cyanide are based on EPA's water quality criteria expressed as micrograms (ug) of free cyanide per liter. There is currently no EPA approved test method for free cyanide. Therefore, total cyanide must be reported.

3. BTEX = Sum of Benzene, Toluene, Ethylbenzene, total Xylenes.

4. In the November 2002 WQC, EPA has revised the definition of Total PCBs for aquatic life as "total PCBs is the sum of all homologue, all isomer, all congener, or all Aroclor analyses."